



UNIVERSITY OF KERALA
Thiruvananthapuram

M.Sc. Zoology – Semester System

Revised syllabus
(For 2013 admissions onwards)

March 2013

Preamble

The University of Kerala has decided to revise the syllabus of all P. G. Programmes with effect from the academic year 2013-14 as part of its continued efforts to provide the latest information to the students. Accordingly, the P. G. Board of studies in Zoology held two workshops on 15th June and 20th July 2012 involving representatives of the eleven colleges offering P. G. course (M. Sc. Zoology) under the University of Kerala. Consequently, an updated syllabus has been formulated incorporating the input of faculty members including Dr. Shaju Thomas, Chairman, P. G. Board of Studies in Zoology of M. G. University, Kottayam. Web resources have been utilized and duplication of B.Sc Zoology syllabus has been avoided. The syllabus of UGC-CSIR NET has also been considered. The decision of the UGC banning the use of animals for dissections was considered while designing the practical experiments.

The following faculty members served as coordinators of the four semesters.

Semester – I – Dr. Kunjikirishnan, University College, Thiruvananthapuram

Semester – II – Dr. Vijayamohan, BJM Govt. College, Chavara

Semester – III – Dr. G. Nagendra Prabhu, S. D. College, Alleppey

Semester – IV – Dr. Indira B, S. N. College, Cherthala

Dr. G. Nagendra Prabhu and Dr. B. Indira have been entrusted with the overall coordination. The syllabus prepared by the assigned teachers and compiled by the semester coordinators were circulated among the participants and the feedback was incorporated. The draft syllabus was discussed and approved by the P. G. Board of Studies held on 13th March 2013.

The Chairman and Members of the P. G. Board of Studies would like to place on record their gratitude to the entire faculty who took part in the discussion and contributed to the design of the syllabus, which will be effective from the academic year 2013-14. Comments and suggestions for improvement are welcome.

15-03-2013
Thiruvananthapuram

Prof. M C Subhash Peter
Chairman BOS in Zoology (PG)
Head, Department of Zoology,
University of Kerala

General Instructions

1. Study of local fauna is to be made compulsory and included as part of field visit, as applicable.
2. The Practical Record valuation is to be done by external examiners as the present system of Internal Valuation is making the students take it lightly.
3. Web resources, CDs, appropriate software etc should be used as far as possible.
4. The Project should be given importance. Name of the supervising teachers is to be included in the dissertation. The project should be valued by the examiners who conduct the viva voce.
5. The topics for project should be decided during the beginning to the 3rd semester and the student should present a brief review and proposed methodology towards the middle of the semester in an internal presentation in the Department, involving all students and teachers.
6. A final departmental level presentation based on LCD/OHP/Laptop should be made at the end of the 4th semester, including all students and teachers.
7. A presentation using LCD/OHP/Laptop before the external examiners during the viva voce which will be the basis of awarding marks.
8. 25 marks is allotted for viva voce and 75 for the project report as per guidelines.

UNIVERSITY OF KERALA
M.Sc. Zoology – Semester System
Revised Syllabus, Course Structure & Mark Distribution

Semester	Paper Code	Title	Distributio of hours / semester	Instruction hours/week		Duration of ESA (Hrs)	Maximum Marks		
				L	P		CA	ESA	Total
1	ZO 211	Systematics & Evolutionary Biology	100	5	-	3	25	75	100
	ZO 212	Biochemistry	100	5	-	3	25	75	100
	ZO 213	Biophysics, Instrumentation & Computer Science	100	5	-	3	25	75	100
	ZO 214	Practical	120	-	10	4	25	75	100
	Total for S 1			450*	15	10	-	100	300
2	ZO 221	Advanced Physiology & Functional Anatomy	100	5	-	3	25	75	100
	ZO 222	Genetics, Quantitative Analysis & Research Methods	100	5	-	3	25	75	100
	ZO 223	Cell & Molecular Biology	100	5	-	3	25	75	100
	ZO 224	Practical	120	-	10	4	25	75	100
	Total for S 2			450*	15	10	-	100	300
3	ZO 231	Microbiology & Biotechnology	100	5	-	3	25	75	100
	ZO 232	Ecology, Ethology & Biodiversity Conservation	100	5	-	3	25	75	100
	ZO 233	Immunology & Advanced Dev. Biology	100	5	-	3	25	75	100
	ZO 234	Practical	120	-	10	4	25	75	100
	Total for S 3			450*	15	10	-	100	300
4	ZO 241	Special Paper 1	100	8	-	3	25	75	100
	ZO 242	Special Paper 2	100	7	-	3	25	75	100
	ZO 243	Special Paper Practical 1	100	-	5	3	25	75	100
	ZO 244	Special Paper	120	-	5	4			100

		Practical 2					25	75	100
Total for S 4									
ZO 201	Project		450*	15	10	-	100	300	400
ZO 202	Comprehensive Viva Voce	-	-	-	-	-	25 marks	75 marks	100
Grand Total									
			-	-	-	-	400	1400	1800

L – Lecture, P – Practical; T – Tutorial; CA Continuous Assessment; ESA – End Semester

Assessment;
*** Tutorial 30 hours per week**